

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
 Data File : VW008384.D
 Acq On : 21 Jan 2019 19:13
 Operator : SY/VA
 Sample : K1205-06RE
 Misc : 6.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C-6RE

Quant Time: Jan 22 03:43:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	81677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	159610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	154811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69775	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	57236	67.37	ug/l	0.00
Spiked Amount			Recovery	=	134.74%	
35) Dibromofluoromethane	7.88	113	53149	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
50) Toluene-d8	10.32	98	213091	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
62) 4-Bromofluorobenzene	12.62	95	70483	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	

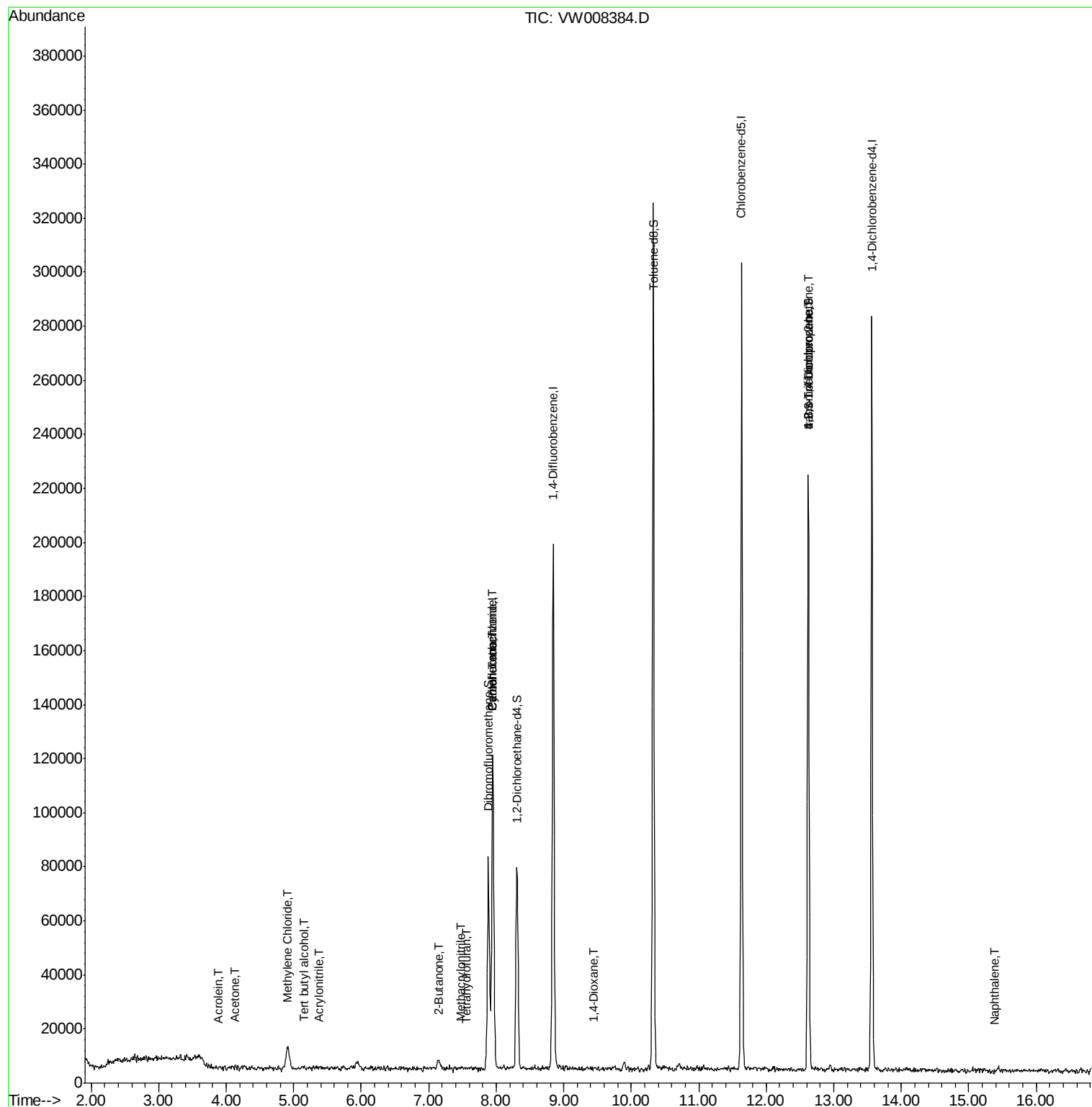
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	177	3.094	ug/l #	1
13) Acrolein	3.88	56	114	9.635	ug/l #	73
15) Acrylonitrile	5.38	53	514	2.726	ug/l #	61
16) Acetone	4.12	43	398	2.017	ug/l #	44
20) Methylene Chloride	4.90	84	6806	4.182	ug/l	91
25) 2-Butanone	7.16	43	366	1.448	ug/l #	48
29) Tetrahydrofuran	7.55	42	604	3.834	ug/l #	46
31) Cyclohexane	7.95	56	2440	1.538	ug/l #	32
38) Carbon Tetrachloride	7.95	117	9047	5.705	ug/l #	21
41) Methacrylonitrile	7.48	41	429	1.113	ug/l #	24
49) 1,4-Dioxane	9.45	88	56	5.907	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	36225	57.011	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	36225	136.051	ug/l #	12
95) Naphthalene	15.38	128	263	2.423	ug/l #	78

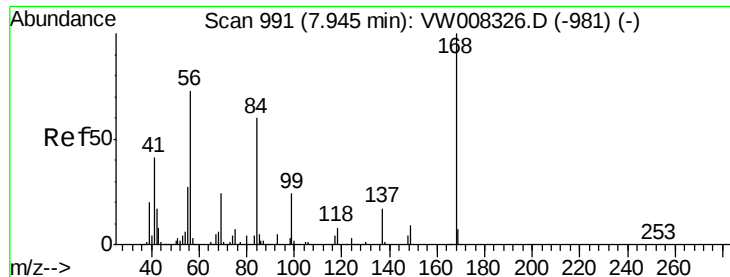
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008384.D

Acq: 21 Jan 2019 19:13

Instrument :

MSVOA_W

ClientSampled :

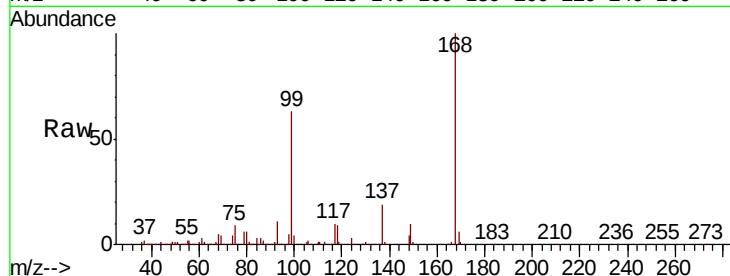
C-6RE

Tgt Ion:168 Resp: 81677

Ion Ratio Lower Upper

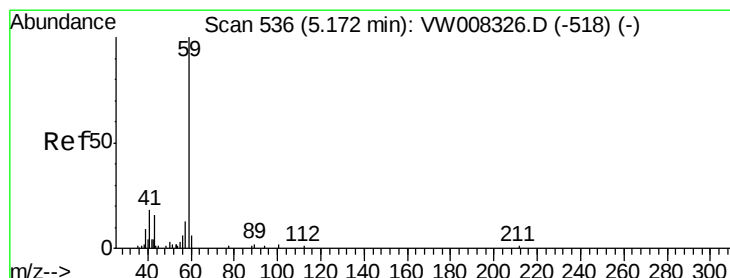
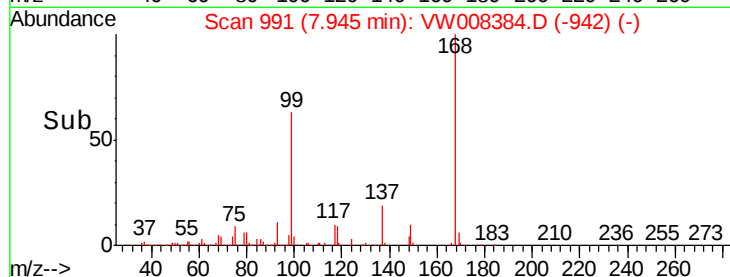
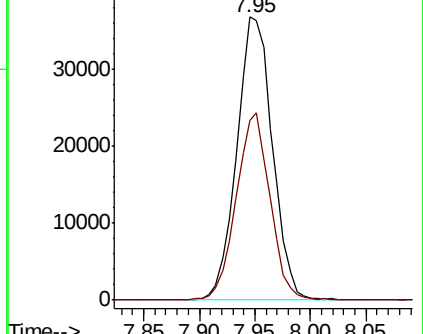
168 100

99 63.1 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.094 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW008384.D

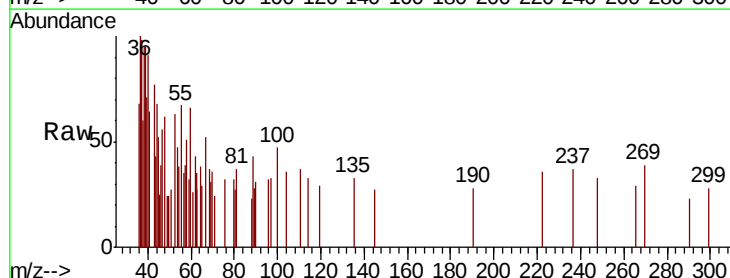
Acq: 21 Jan 2019 19:13

Tgt Ion: 59 Resp: 177

Ion Ratio Lower Upper

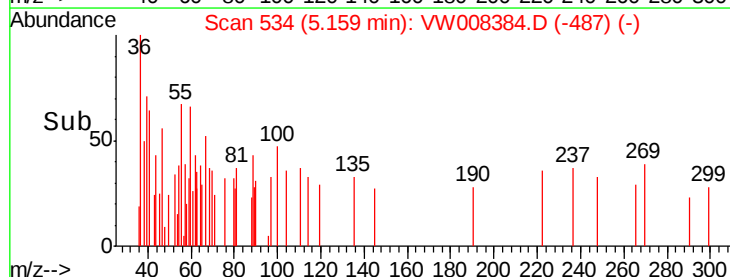
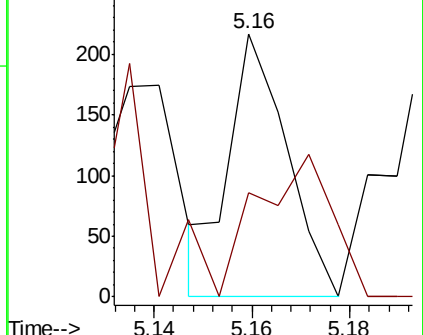
59 100

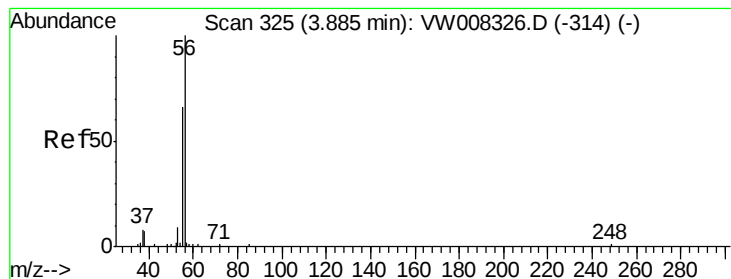
57 70.1 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 9.635 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008384.D

Acq: 21 Jan 2019 19:13

Instrument :

MSVOA_W

ClientSampleId :

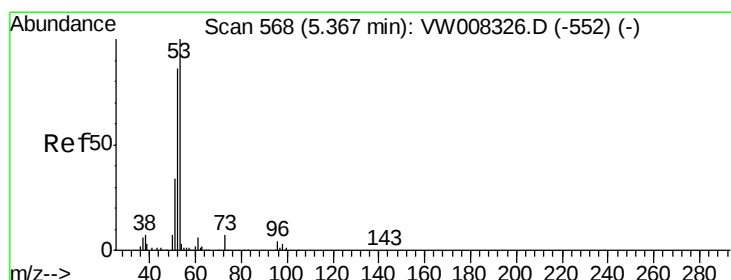
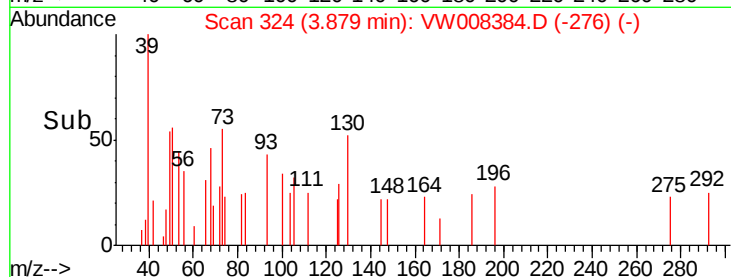
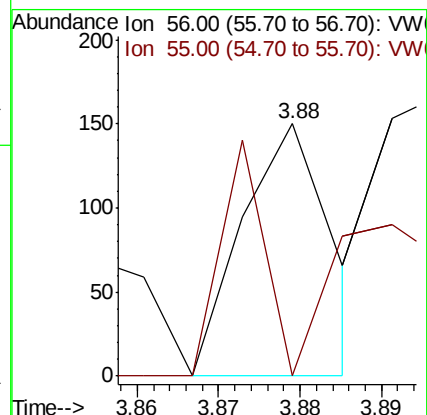
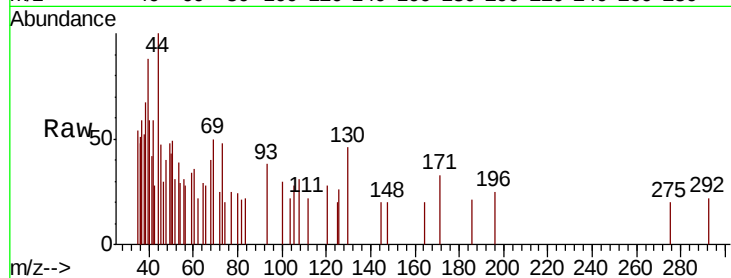
C-6RE

Tgt Ion: 56 Resp: 114

Ion Ratio Lower Upper

56 100

55 44.7 52.9 79.3#



#15

Acrylonitrile

Concen: 2.726 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW008384.D

Acq: 21 Jan 2019 19:13

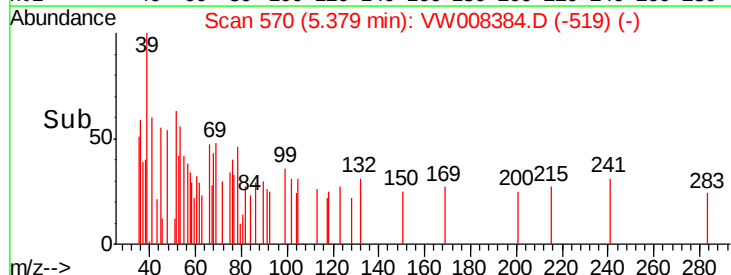
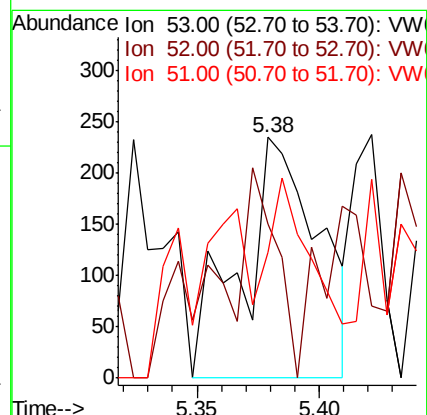
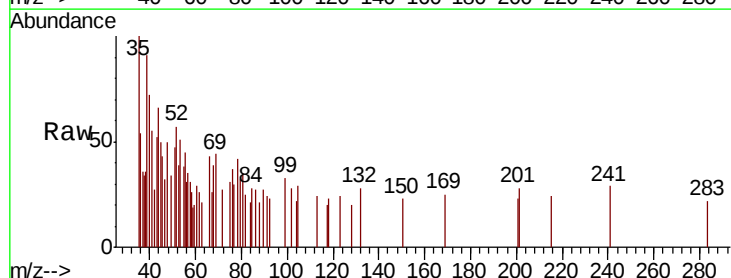
Tgt Ion: 53 Resp: 514

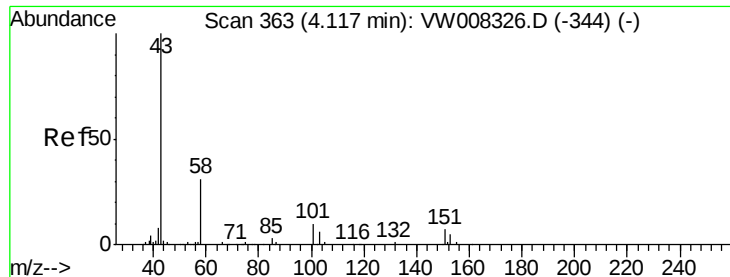
Ion Ratio Lower Upper

53 100

52 37.5 66.4 99.6#

51 28.2 29.6 44.4#





#16

Acetone

Concen: 2.017 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008384.D

Acq: 21 Jan 2019 19:13

Instrument :

MSVOA_W

ClientSampled :

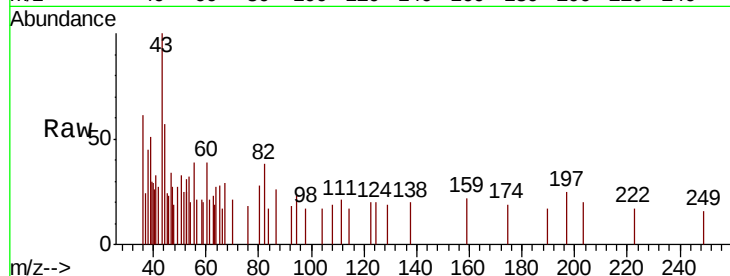
C-6RE

Tgt Ion: 43 Resp: 398

Ion Ratio Lower Upper

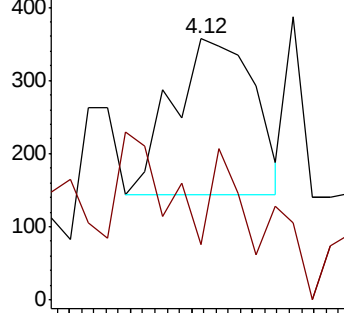
43 100

58 0.0 24.7 37.1#

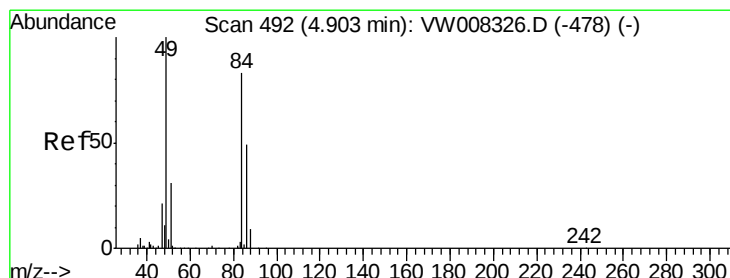
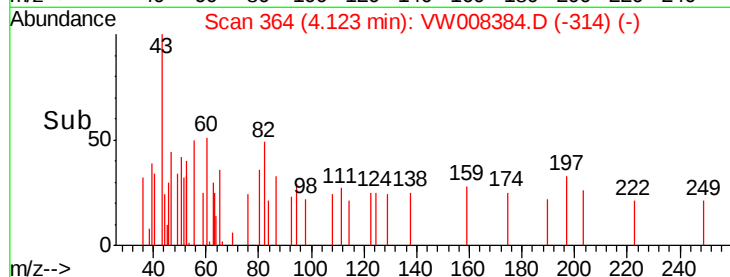


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#20

Methylene Chloride

Concen: 4.182 ug/l

RT: 4.90 min Scan# 492

Delta R.T. 0.00 min

Lab File: VW008384.D

Acq: 21 Jan 2019 19:13

Tgt Ion: 84 Resp: 6806

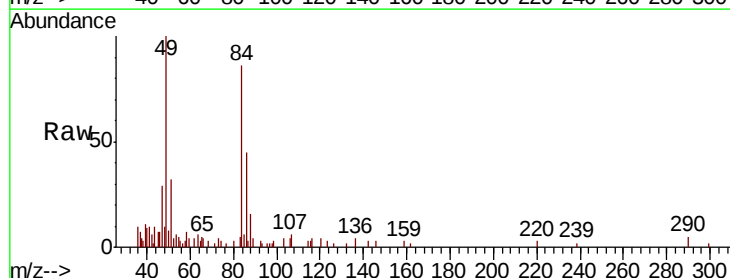
Ion Ratio Lower Upper

84 100

49 112.9 95.9 143.9

51 31.4 29.3 43.9

86 47.8 47.4 71.2

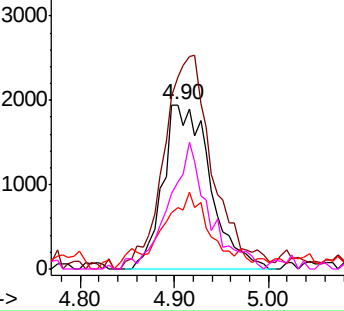


Abundance Ion 83.90 (83.60 to 84.60): VW

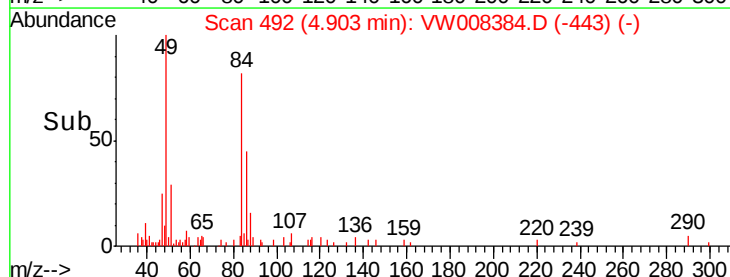
Ion 48.90 (48.60 to 49.60): VW

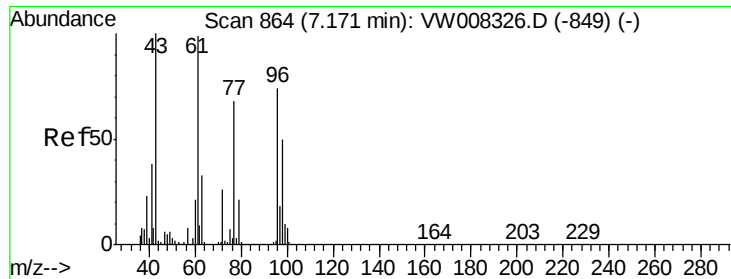
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



Time-->

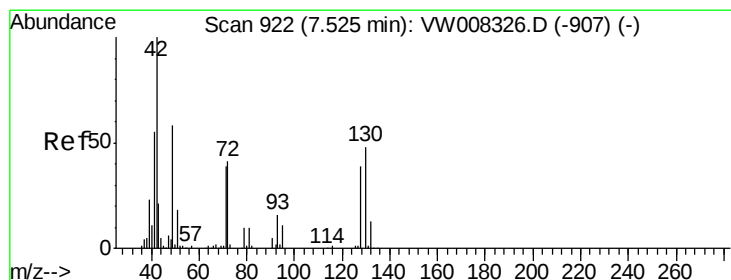
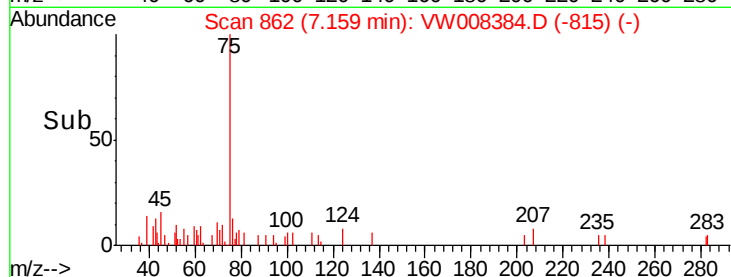
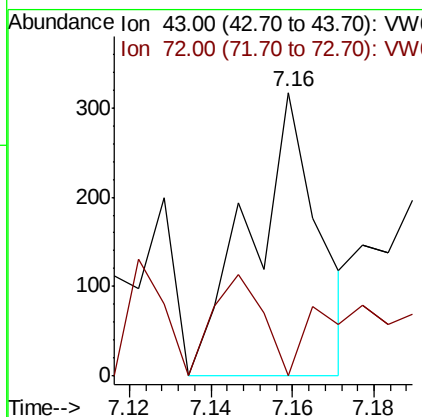
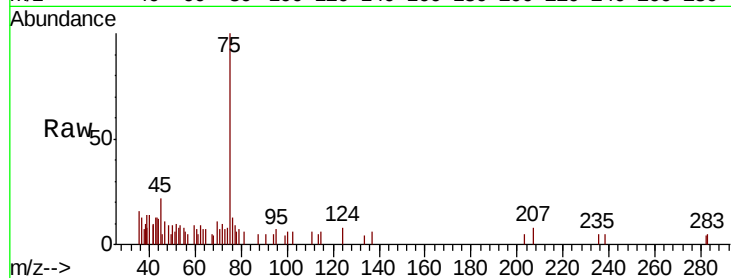




#25
2-Butanone
Concen: 1.448 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008384.D
Acq: 21 Jan 2019 19:13

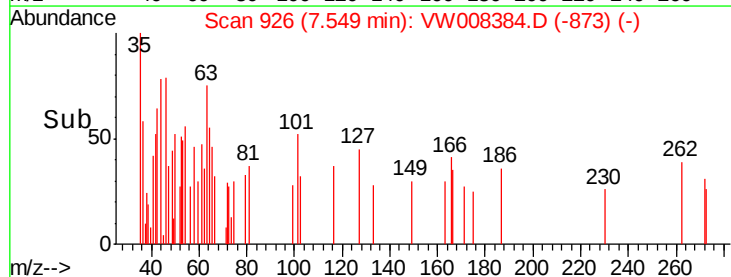
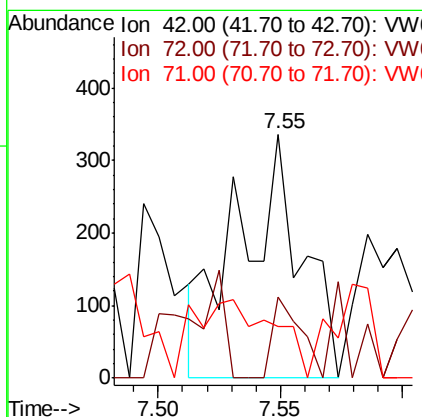
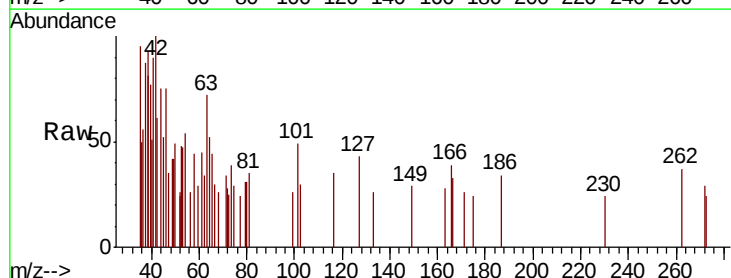
Instrument :
MSVOA_W
ClientSampled :
C-6RE

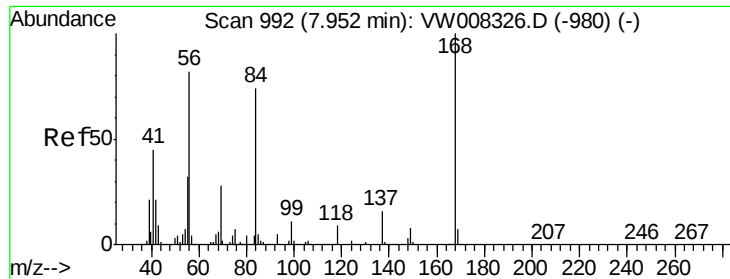
Tgt Ion: 43 Resp: 366
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#29
Tetrahydrofuran
Concen: 3.834 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW008384.D
Acq: 21 Jan 2019 19:13

Tgt Ion: 42 Resp: 604
Ion Ratio Lower Upper
42 100
72 14.9 34.0 51.0#
71 0.0 32.0 48.0#

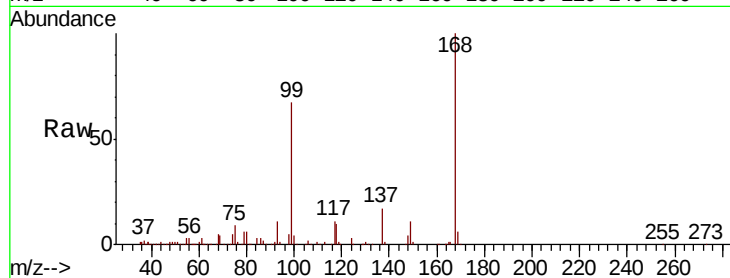




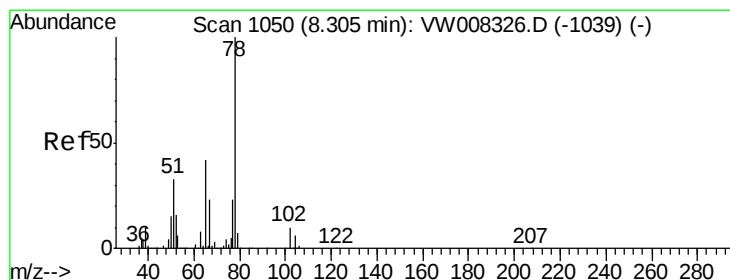
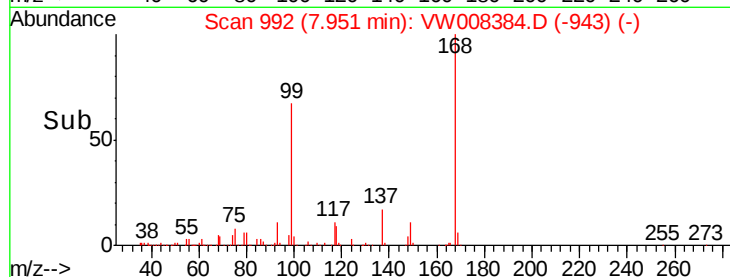
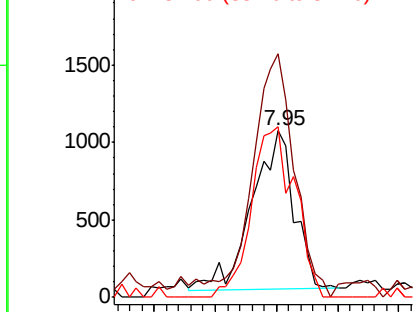
#31
Cyclohexane
Concen: 1.538 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008384.D
Acq: 21 Jan 2019 19:13

Instrument :
MSVOA_W
ClientSampleId :
C-6RE

Tgt Ion: 56 Resp: 2440
Ion Ratio Lower Upper
56 100
69 147.0 27.0 40.6#
84 108.8 72.5 108.7#

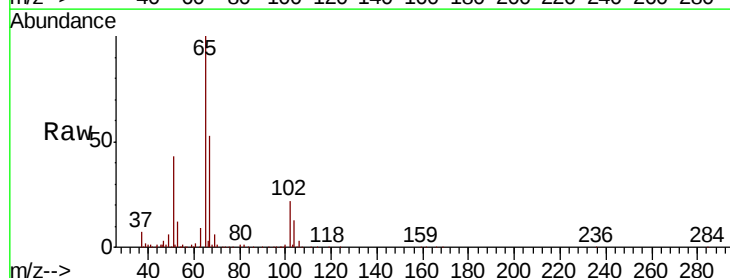


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

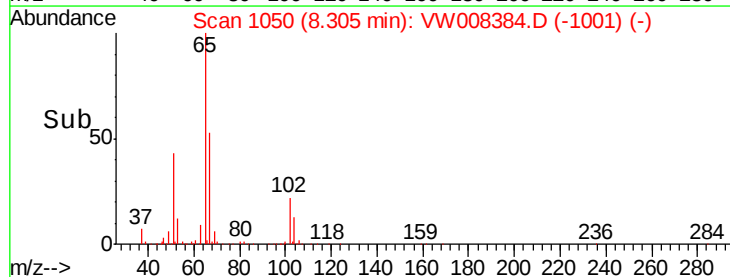
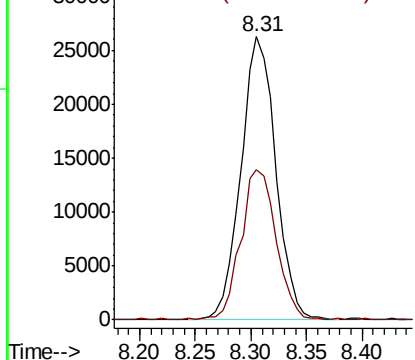


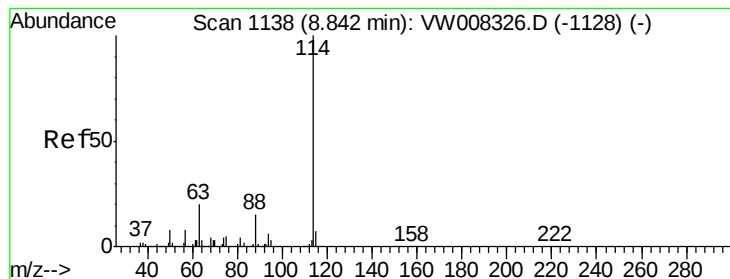
#33
1,2-Dichloroethane-d4
Concen: 67.366 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008384.D
Acq: 21 Jan 2019 19:13

Tgt Ion: 65 Resp: 57236
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008384.D

Acq: 21 Jan 2019 19:13

Instrument :

MSVOA_W

ClientSampled :

C-6RE

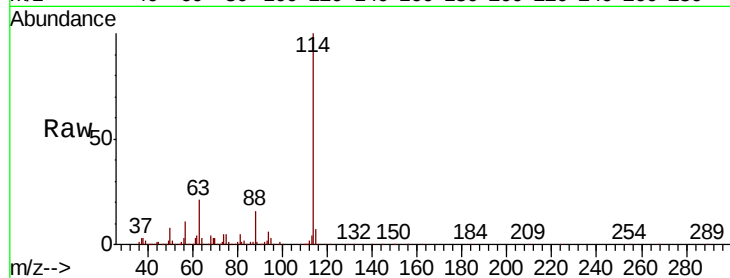
Tgt Ion:114 Resp: 159610

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

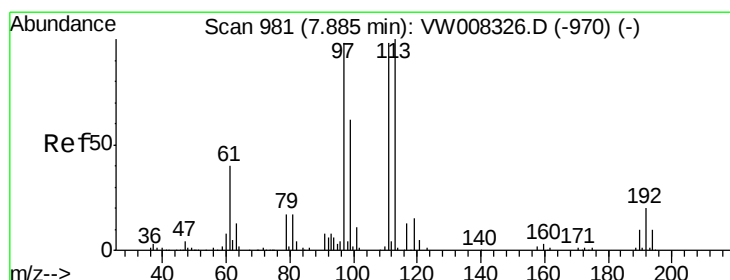
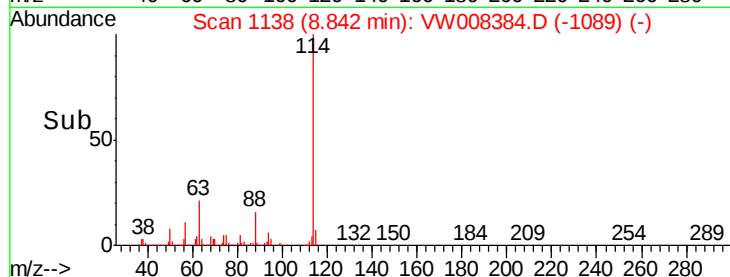
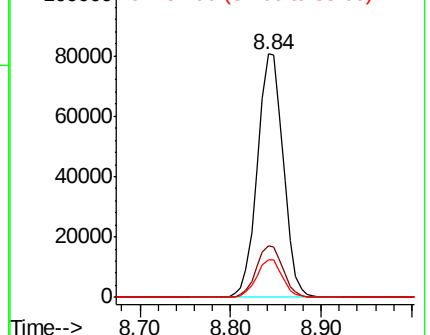
88 15.5 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 52.166 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008384.D

Acq: 21 Jan 2019 19:13

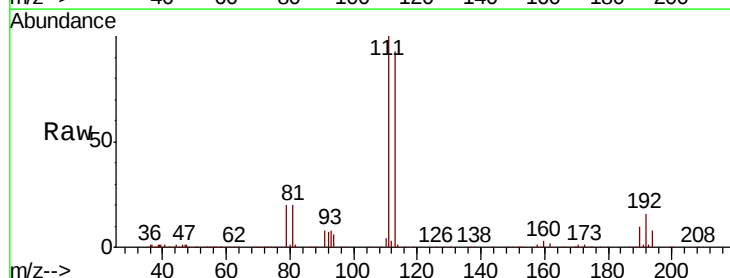
Tgt Ion:113 Resp: 53149

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

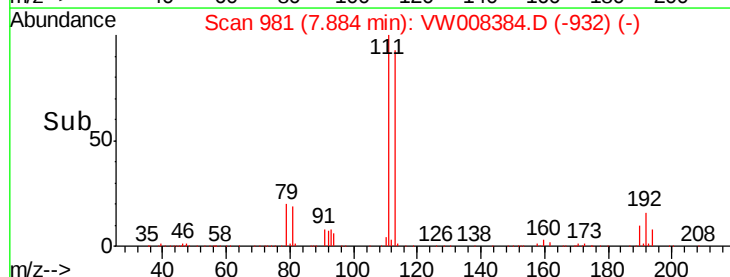
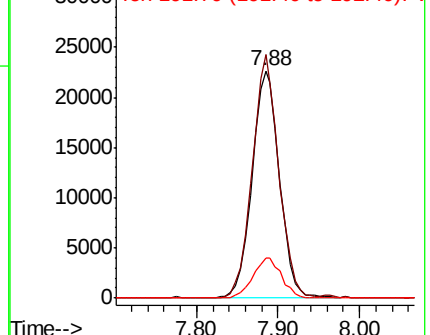
192 18.3 16.3 24.5

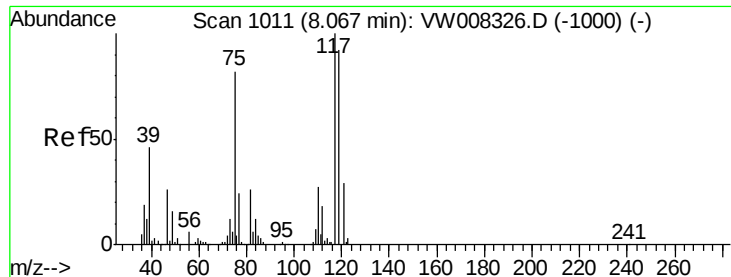


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 5.705 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008384.D

Acq: 21 Jan 2019 19:13

Instrument :

MSVOA_W

ClientSampled :

C-6RE

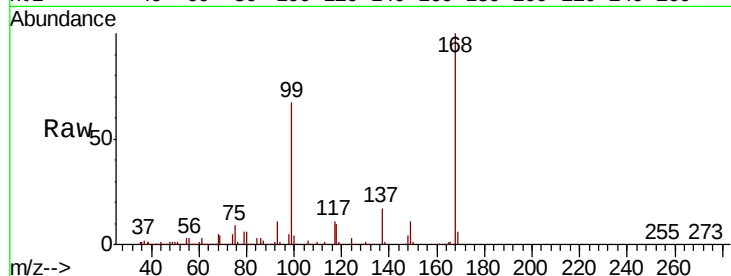
Tgt Ion:117 Resp: 9047

Ion Ratio Lower Upper

117 100

119 9.1 73.8 110.6#

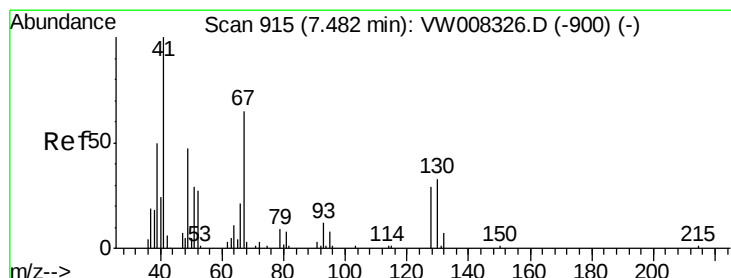
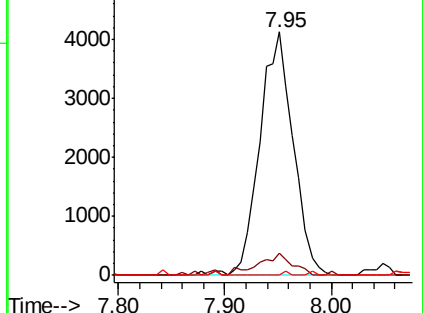
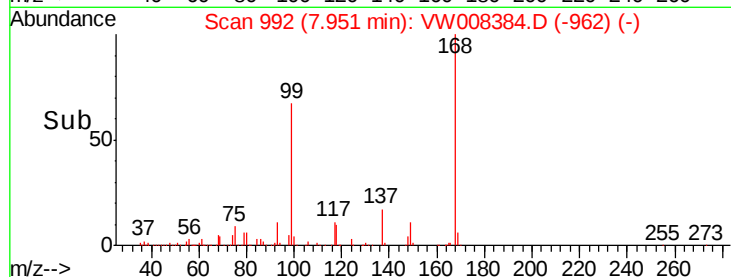
121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 1.113 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW008384.D

Acq: 21 Jan 2019 19:13

Tgt Ion: 41 Resp: 429

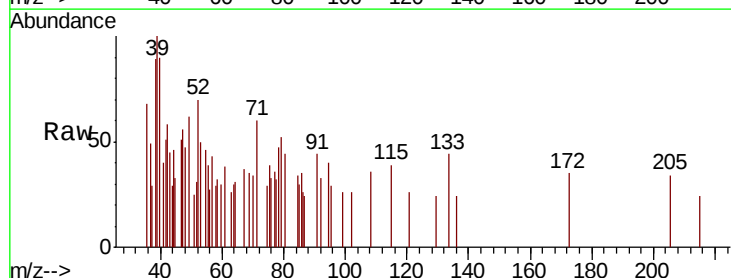
Ion Ratio Lower Upper

41 100

39 0.0 44.9 67.3#

67 0.0 56.9 85.3#

52 57.6 24.4 36.6#

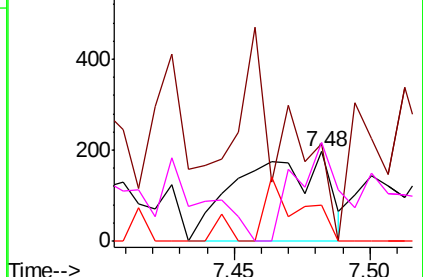
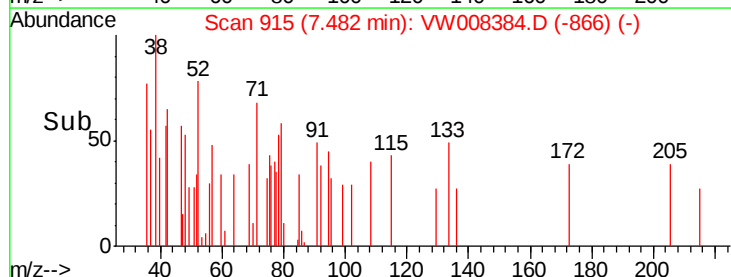


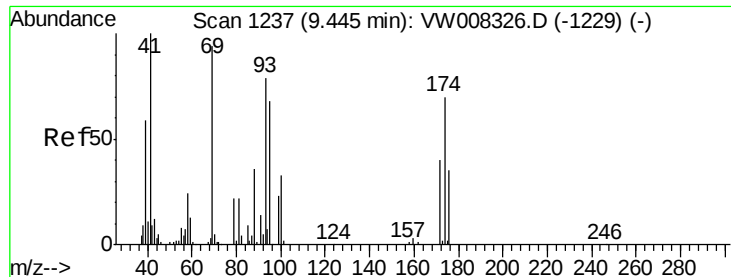
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

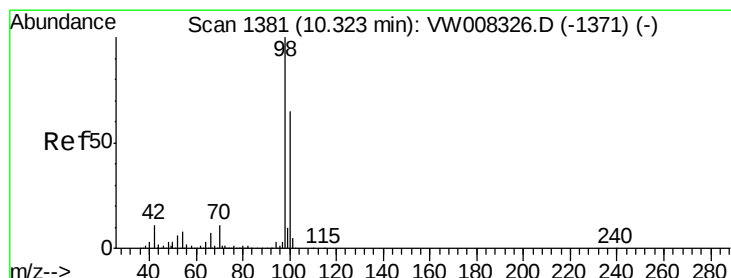
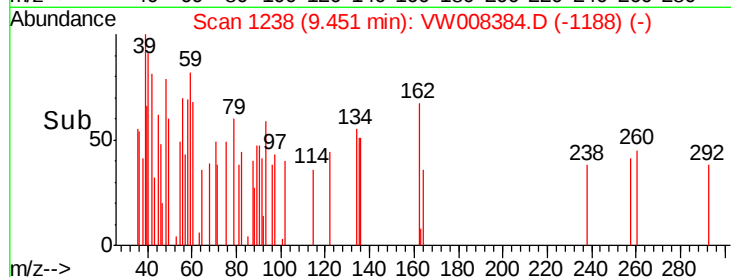
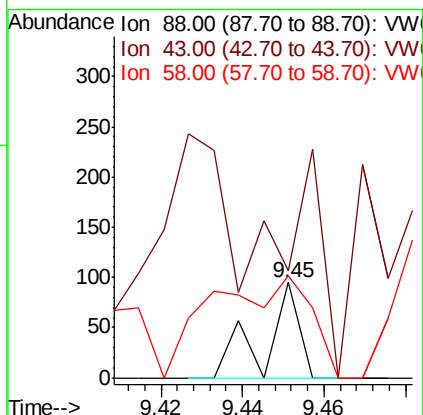
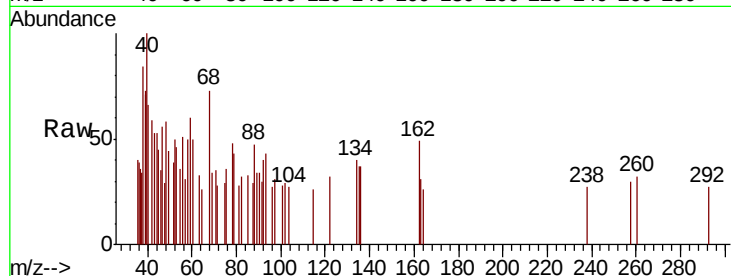




#49
1,4-Dioxane
Concen: 5.907 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008384.D
Acq: 21 Jan 2019 19:13

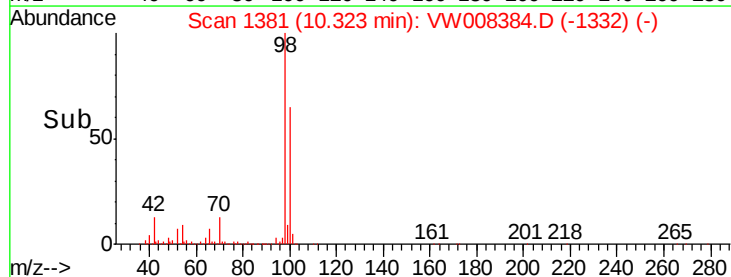
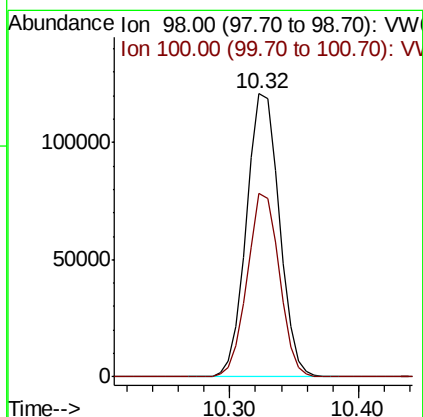
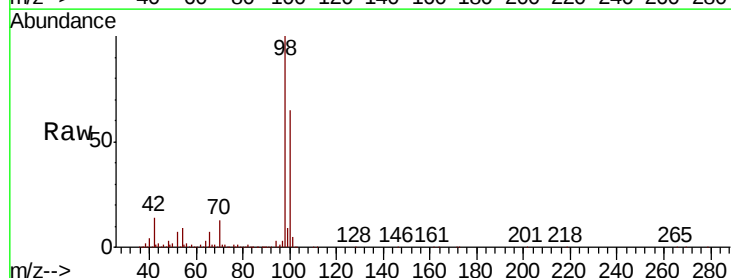
Instrument :
MSVOA_W
ClientSampleId :
C-6RE

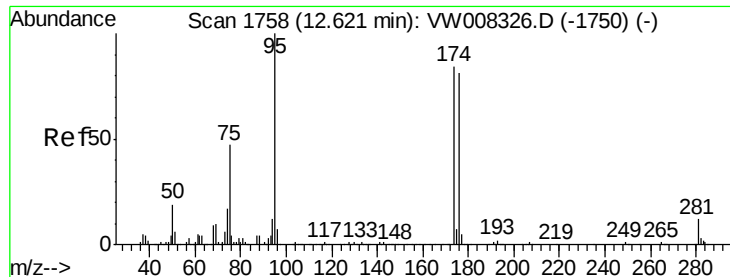
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7#
58 305.4 57.9 86.9#



#50
Toluene-d8
Concen: 53.238 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008384.D
Acq: 21 Jan 2019 19:13

Tgt Ion: 98 Resp: 213091
Ion Ratio Lower Upper
98 100
100 63.3 51.8 77.8

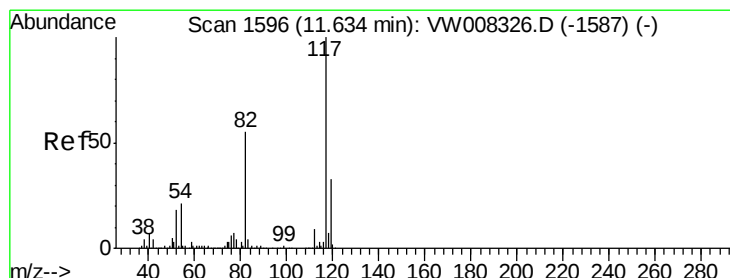
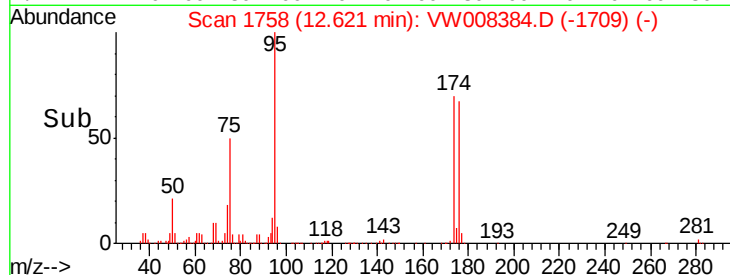
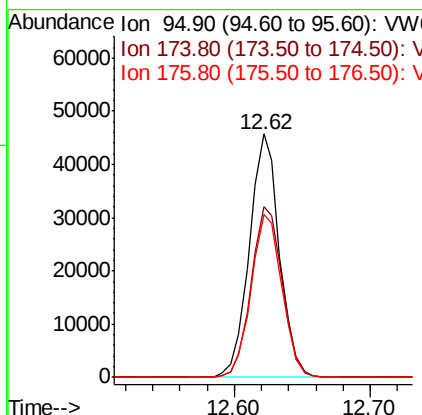
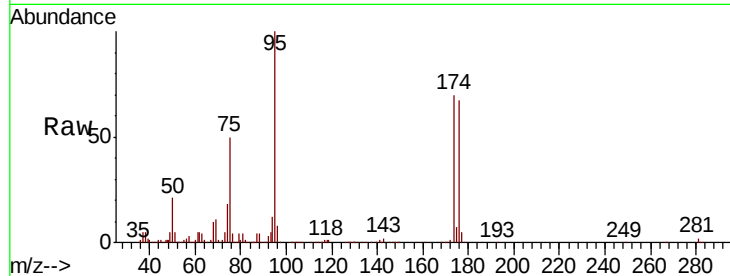




#62
4-Bromofluorobenzene
Concen: 49.099 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008384.D
Acq: 21 Jan 2019 19:13

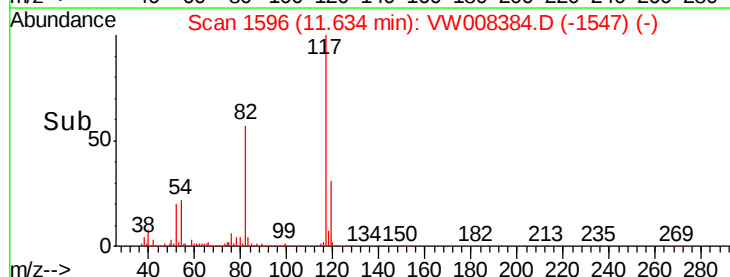
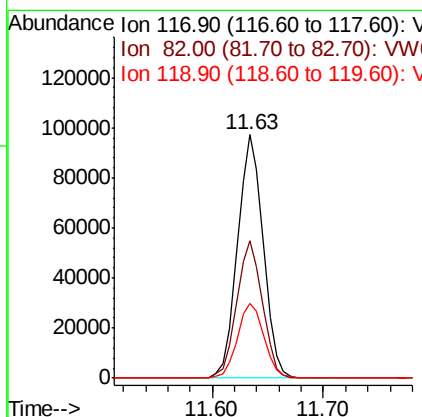
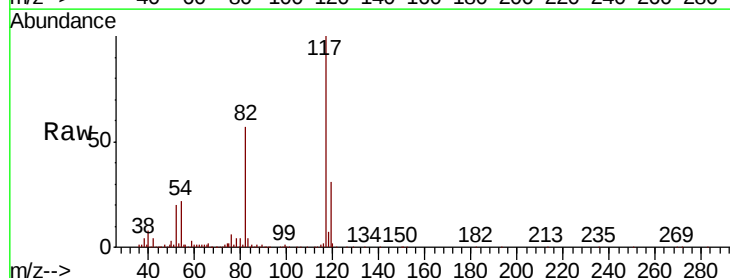
Instrument :
MSVOA_W
ClientSampled :
C-6RE

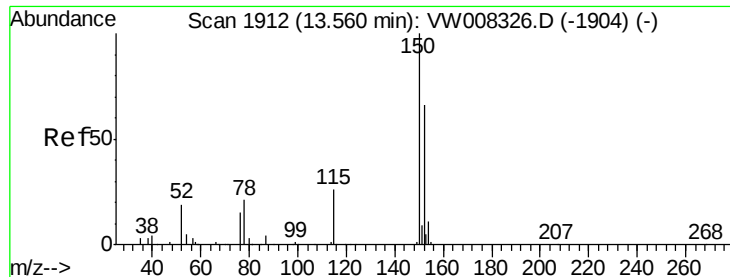
Tgt Ion: 95 Resp: 70483
Ion Ratio Lower Upper
95 100
174 73.3 0.0 166.0
176 69.7 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008384.D
Acq: 21 Jan 2019 19:13

Tgt Ion: 117 Resp: 154811
Ion Ratio Lower Upper
117 100
82 56.5 44.3 66.5
119 30.8 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008384.D

Acq: 21 Jan 2019 19:13

Instrument :

MSVOA_W

ClientSampleId :

C-6RE

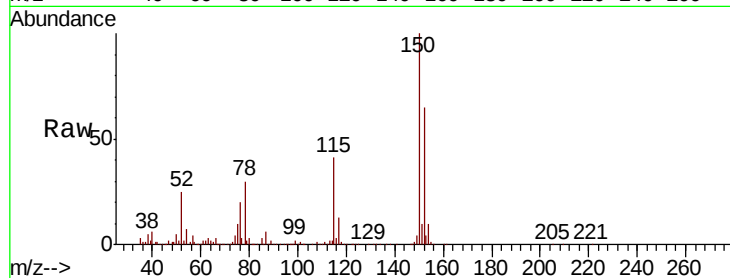
Tgt Ion: 152 Resp: 69775

Ion Ratio Lower Upper

152 100

115 61.2 28.8 86.4

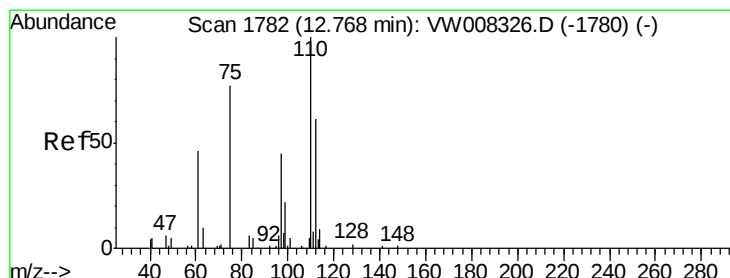
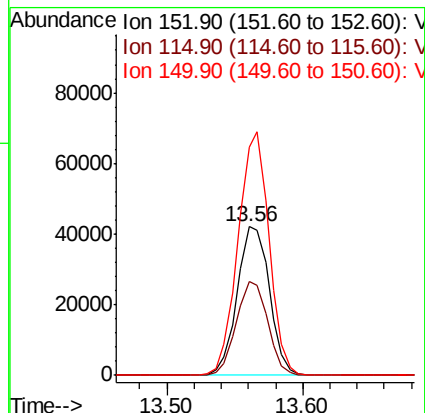
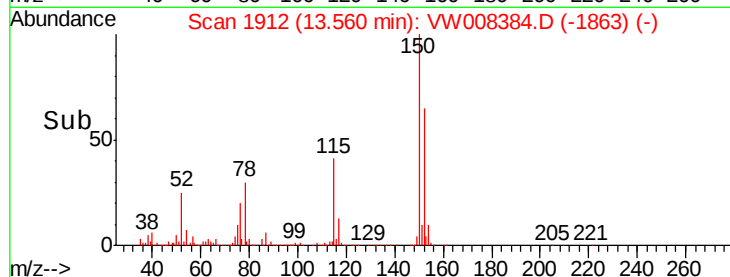
150 157.0 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 57.011 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008384.D

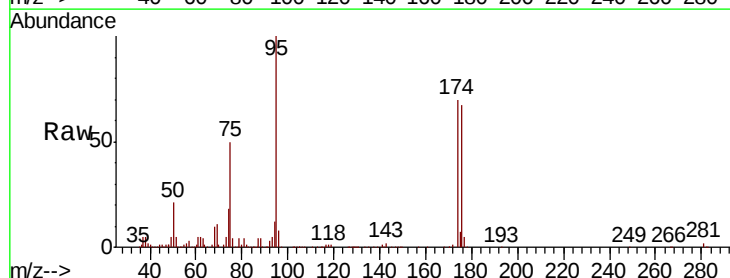
Acq: 21 Jan 2019 19:13

Tgt Ion: 75 Resp: 36225

Ion Ratio Lower Upper

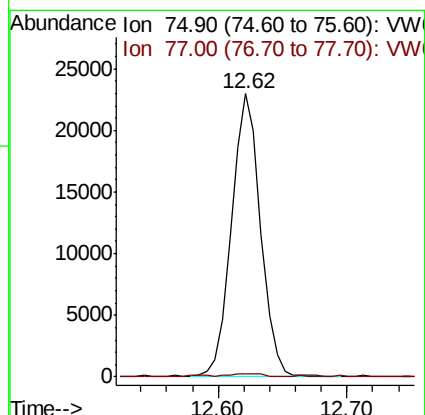
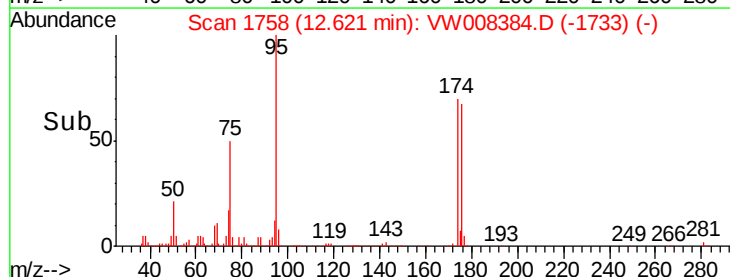
75 100

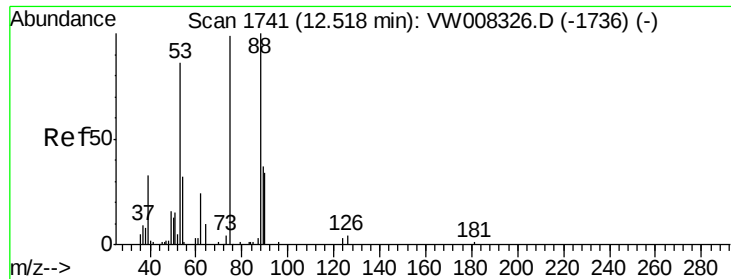
77 1.3 175.3 526.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 136.051 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008384.D

Acq: 21 Jan 2019 19:13

Instrument :

MSVOA_W

ClientSampleId :

C-6RE

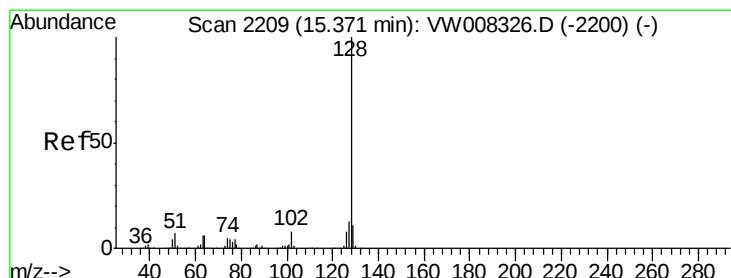
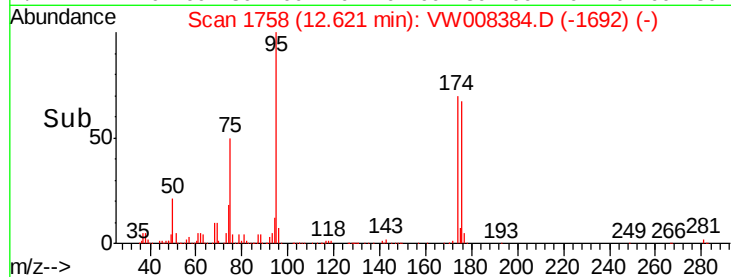
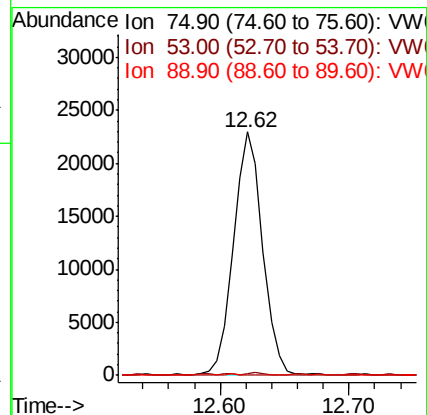
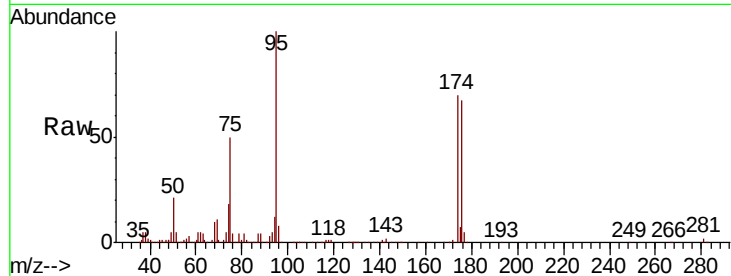
Tgt Ion: 75 Resp: 36225

Ion Ratio Lower Upper

75 100

53 0.5 76.2 114.4#

89 0.0 36.7 55.1#



#95

Naphthalene

Concen: 2.423 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW008384.D

Acq: 21 Jan 2019 19:13

Tgt Ion: 128 Resp: 263

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 7.2 8.8 13.2#

